

Application No. 09/916,053
Amendment Dated August 13, 2003
Reply to Final Office Action of February 13, 2003

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A biaxially oriented multilayer film usable to form adhesive labels to be attached to containers, such as bottles and cans, said film including a core layer comprising polypropylene and a migratory slip agent in the form of a migratory amide and an outer slip layer on one side of the core layer, said slip layer including primarily polypropylene, by weight, and a minor percent, by weight, of an antistatic agent, said antistatic agent being present in a sufficient amount to preclude the migratory amide in the core layer from migrating to the surface of the skin layer in an amount that reduces the adhesion of the adhesive employed on the formed label for the slip layer to less than 50%, said antistatic agent and said amide being present in amounts to provide a COF on the surface of the slip layer of no greater than 0.45 and to provide an adhesion of the adhesive employed on the formed label for the slip layer of at least 50%.

Claim 2 (canceled)

Claim 3 (previously presented): The biaxially oriented multilayer film of claim 1, wherein the amide is behenamide.

Claim 4 (previously presented): The biaxially oriented multilayer film of claim 1, wherein said migratory amide is present in a percentage, by weight, of at least 0.10%, based upon the weight of the core layer.

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Claim 5 (original): The biaxially oriented multilayer film of claim 4, wherein the percentage, by weight, of the migratory amide is about 0.25% or greater based upon the weight of the core layer.

Claim 6 (original): The biaxially oriented multilayer film of claim 4, wherein the percentage, by weight, of the migratory amide is in the range of about 0.2 - 0.3% based upon the weight of the core layer.

Claim 7 (canceled)

Claim 8 (previously presented): The biaxially oriented multilayer film of claim 1, wherein the antistatic agent includes an ethoxylated alkyamine and/or an ethoxylated alkyamide.

Claim 9 (original): The biaxially oriented multilayer film of claim 8, wherein the antistatic agent includes an ethoxylated alkyamine.

Claim 10 (original): The biaxially oriented multilayer film of claim 8, wherein said ethoxylated alkyamine and/or ethoxylated alkyamide is either physically blended with or chemically reacted with an ester.

Claim 11 (original): The biaxially oriented multilayer film of claim 9, wherein said ethoxylated alkyamine is either physically blended with or chemically reacted with an ester.

Claim 12 (original): The biaxially oriented multilayer film of claim 1, wherein said multilayer film includes an additional outer layer on the side of the core layer opposite said slip layer, said additional outer layer having a surface for receiving printed indicia thereon and/or being bondable to a surface of an additional film employed to form labels.

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Claim 13 (original): The biaxially oriented multilayer film of claim 1, wherein said outer slip layer is free of any oxidative treatment.

Claim 14 (original): The biaxially oriented multilayer film of claim 7, wherein said outer slip layer is free of any oxidative treatment.

Claim 15 (original): The biaxially oriented multilayer film of claim 8, wherein said outer slip layer is free of any oxidative treatment.

Claim 16 (original): The biaxially multilayer film of claim 9, wherein said outer slip layer is free of any oxidative treatment.

Claim 17 (currently amended): The biaxially oriented multilayer film of claim 1, wherein the antistatic agent is present in a sufficient amount to preclude the migratory amide in the core layer from migrating to the surface of the skin layer in an amount that reduces the adhesion to less than 70%, said adhesion being ~~the adhesion~~ is at least 70%.

Claim 18 (currently amended): The biaxially oriented multilayer film of claim 1, wherein the antistatic agent is present in a sufficient amount to preclude the migratory amide in the core layer from migrating to the surface of the skin layer in an amount that reduces the adhesion to less than 90%, said adhesion being ~~the adhesion~~ is at least 90%.

Claim 19 (original): The biaxially oriented multilayer film of claim 1, wherein the adhesive employed on the formed label is a hot melt adhesive.

Claim 20 (currently amended): The biaxially oriented multilayer film of claim 19, wherein the antistatic agent is present in a sufficient amount to preclude the migratory amide in the core layer

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from migrating to the surface of the skin layer in an amount that reduces the adhesion to less than 70%, said adhesion being the adhesion is at least 70%.

Claim 21 (currently amended): The biaxially oriented multilayer film of claim 19, wherein the antistatic agent is present in a sufficient amount to preclude the migratory amide in the core layer from migrating to the surface of the skin layer in an amount that reduces the adhesion to less than 90%, said adhesion being the adhesion is at least 90%.

Claim 22 (original): The biaxially oriented multilayer film of claim 1, wherein the COF is no greater than 0.35.

Claim 23 (original): The biaxially oriented multilayer film of claim 17, wherein the COF is no greater than 0.35.

Claim 24 (original): The biaxially oriented multilayer film of claim 18, wherein the COF is no greater than 0.35.

Claim 25 (original): The biaxially oriented multilayer film of claim 19, wherein the COF is no greater than 0.35.

Claim 26 (original): The biaxially oriented multilayer film of claim 20, wherein the COF is no greater than 0.35.

Claim 27 (original): The biaxially oriented multilayer film of claim 21, wherein the COF is no greater than 0.35.

Claim 28 (currently amended): A biaxially oriented multilayer label to be attached to containers, such as bottles and cans, said label including a core layer comprising polypropylene and

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a migratory slip agent in the form of a migratory amide, an outer slip layer on one side of the core layer, said slip layer including primarily polypropylene, by weight, and a minor percent, by weight, of an antistatic agent, an inner layer on the side of the core layer opposite the outer slip layer, and an additional film having an inner surface adhered to an outer surface of the inner layer and an opposed, outer surface including an adhesive thereon, printed indicia on the outer surface of the inner layer or on the inner surface of the additional film, one end of said outer surface of said additional film being attachable to a container surface through the adhesive thereon and an opposed end of said outer surface of said additional film overlapping and being adhesively attachable to an outer surface of the slip layer when the label is attached to a container, said antistatic agent being present in a sufficient amount to preclude the migratory amide in the core layer from migrating to the surface of the skin layer in an amount that reduces the adhesion of the adhesive employed on the formed label for the slip layer to less than 50%, said antistatic agent and said migratory amide being present in amounts to provide a COF on the surface of the slip layer of no greater than 0.45 and to provide an adhesion of the adhesive for the slip layer of at least 50%.

Claim 29 (canceled)

Claim 30 (previously presented): The biaxially oriented multilayer label of claim 28, wherein the amide is behenamide.

Claim 31 (previously presented): The biaxially oriented multilayer label of claim 28, wherein said migratory amide is presented in a percentage, by weight, of at least 0.10%, based upon the weight of the core layer.

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Claim 32 (original): The biaxially oriented multilayer label of claim 31 wherein the percentage, by weight, of the migratory amide is about 0.25% or greater based upon the weight of the core layer.

Claim 33 (original): The biaxially oriented multilayer label of claim 31, wherein the percentage, by weight, of the migratory amide is in the range of about 0.2 - 0.3% based upon the weight of the core layer.

Claim 34 (canceled)

Claim 35 (previously presented): The biaxially oriented multilayer of claim 28, wherein the antistatic agent includes an ethoxylated alkyamine and/or an ethoxylated alkyamide.

Claim 36 (original): The biaxially oriented multilayer label of claim 35, wherein the antistatic agent includes an ethoxylated alkyamine.

Claim 37 (original): The biaxially oriented multilayer label of claim 35, wherein said ethoxylated alkyamine and/or ethoxylated alkyamide is either physically blended with or chemically reacted with an ester.

Claim 38 (original): The biaxially oriented multilayer label of claim 36, wherein said ethoxylated alkyamine is either physically blended with or chemically reacted with an ester.

Claim 39 (original): The biaxially oriented multilayer label of claim 28, wherein said outer slip layer is free of any oxidative treatment.

Claim 40 (currently amended): The biaxially oriented multilayer film of claim 28, wherein the antistatic agent is present in a sufficient amount to preclude the migratory amide in the core layer

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from migrating to the surface of the skin layer in an amount that reduces the adhesion to less than 70%, said adhesion being ~~the adhesion~~ is at least 70%.

Claim 41 (currently amended): The biaxially oriented multilayer film of claim 28, wherein the antistatic agent is present in a sufficient amount to preclude the migratory amide in the core layer from migrating to the surface of the skin layer in an amount that reduces the adhesion to less than 90%, said adhesion being ~~the adhesion~~ is at least 90%.

Claim 42 (original): The biaxially oriented multilayer label of claim 28, wherein the adhesive is a hot melt adhesive.

Claim 43 (currently amended): The biaxially oriented multilayer label of claim 42, wherein the antistatic agent is present in a sufficient amount to preclude the migratory amide in the core layer from migrating to the surface of the skin layer in an amount that reduces the adhesion to less than 70%, said adhesion being ~~the adhesion~~ is at least 70%.

Claim 44 (currently amended): The biaxially oriented multilayer label of claim 42, wherein the antistatic agent is present in a sufficient amount to preclude the migratory amide in the core from migrating to the surface of the skin layer in an amount that reduces the adhesion to less than 90%, said adhesion being ~~the adhesion~~ is at least 90%.

Claim 45 (original): The biaxially oriented multilayer label of claim 28, wherein the COF is no greater than 0.35.

Claim 46 (original): The biaxially oriented multilayer label of claim 40, wherein the COF is no greater than 0.35.

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Claim 47 (original): The biaxially oriented multilayer label of claim 41, wherein the COF is no greater than 0.35.

Claim 48 (original): The biaxially oriented multilayer label of claim 42, wherein the COF is no greater than 0.35.

Claim 49 (original): The biaxially oriented multilayer label of claim 43, wherein the COF is no greater than 0.35.

Claim 50 (original): The biaxially oriented multilayer label of claim 44, wherein the COF is no greater than 0.35.